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Sir:

Transmitted herewith for filing is the Patent Application of:

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For: DISTRIBUTING CONDENSED VERSIONS OF DISPLAYABLE INFORMATION IN HYPERTEXT MARKUP LANGUAGE DOCUMENTS TRANSMITTED ON THE WORLD WIDE
WEB TO PERSONAL PALM-TYPE COMPUTERS

Enclosed are:

☒ Patent Specification and Declaration☒ 5 sheets of drawing(s).☒ An assignment of the invention to International Business Machines Corporation (includes Recordation Form Cover Sheet).☐ A certified copy of a application.☐ Information Disclosure Statement.

The filing fee has been calculated as shown below:

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Basic Fee				\$ 690
Total Claims	34 - 20	14	x 18 =	\$ 252
Indep. Claims	7 - 3	4	x 78 =	\$ 312
MULTIPLE DEPENDENT CLAIM PRESENTED			x 260 =	\$ 0
			TOTAL	\$1,254

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Respectfully submitted,

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5 Technical Field

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computer. In recent years, personal palm devices have also developed a networking protocol: TCP/IP, which permits direct connection to the Web through PDA modems, which are described in greater detail at pp. 148-149 of the text Palm III & PalmPilot, Jeff Carlson, Peachpit Press, 1998. With either approach, users accustomed to browsing the Web by using a desktop computer with highly visual Web documents with multiple graphics and animations, initially experience disappointment with the limited display of the personal palm device. Manipulation of information on this small display is difficult since the user has to scan and scroll in all directions to comprehend information laid out for conventional larger screen desktop computer displays.

There are Web browser programs such as ProxiWeb which significantly reduce the Web page size to fit the confines of the palm-type device. However, this browser program detours the HTML data through a proxy server which resizes the Web page. In most cases, the information on the palm-type device screen is so small that it is difficult and frustrating to read.

Summary of the Present Invention

The present invention involves the acceptance of the fact that it is not possible to provide the color, graphics and image qualities and quantities of the standard desktop computer display on the palm-type device screen. However, the invention also recognizes that since the number of palm-type devices in general usage is approaching ten million and growing, developers and owners of Web documents will need some simple and effective way of communicating their information to palm-type devices.

Accordingly, the present invention provides to the developers and owners of Web documents, the ability to create Hypertext Markup Language (HTML) documents which in addition to their basic set of natural language data
5 conveying a first version of information of a particular content displayable to users at conventional Web desktop display stations, provide a second set of natural language data conveying a second version of condensed displayable information of the same particular content
10 displayable to users of personal palm-type display computers connected to the Web. Also, in addition to the basic set of HTML tags, which identify the basic set of natural language data, the document provides for a second set of tags identifying said second set of natural
15 language data which is available only for the palm-type devices. The natural language data to be displayed may include both text and image data.

The accessing of the tagged natural language data, which is only available to the palm-type devices may be
20 accomplished by a program which may be conveniently implemented through the Web browser associated with and supporting the palm-type computer. The program recognizes the second set of tags and implements the access of the second set of condensed information
25 suitable for the palm-type computer and displays the condensed information on the palm device.

The present invention is available to palm-type computers which access the Web directly in which case the accessing program could be associated with the palm-type
30 device browsers. Alternatively, if the palm-type device is configured so as to be synchronized with a related desktop computer, e.g. HotSynced, then the palm device

accessing program may be associated with the desktop computer Web browser.

Brief Description of the Drawings

The present invention will be better understood and its numerous objects and advantages will become more apparent to those skilled in the art by reference to the following drawings, in conjunction with the accompanying specification, in which:

Fig. 1 is a generalized diagrammatic view of a Web portion on which the present invention may be implemented including palm-type devices configured to access the Web both directly or through a synchronized related desktop computer;

Fig. 2 is an illustrative desktop computer display screen showing the complete version of displayed information from a particular Web document;

Fig. 3 is an illustrative palm-type computer display screen showing the condensed version according to the present invention of the information displayed in the desktop of Fig. 2;

Fig. 4 is an illustrative flowchart describing the setting up of the method of the present invention for the creation and handling of HTML Web pages with versions of the same data content for desktop displays and condensed for display on personal palm-type devices; and

Fig. 5 is a flowchart of an illustrative run of the method set up in Fig. 4 on a Web network, like that shown in Fig. 1.

Detailed Description of the Preferred Embodiment

Referring to Fig. 1, there is shown a very generalized diagram of a Web portion on which the present

invention may be implemented, including palm-type devices configured to access the Web both directly or through a synchronized related desktop computer. However, before proceeding further with this description, we will, at
5 this point, provide some background with respect to the PDAs or personal palm-type devices involved in the present invention. The most common PDAs included in the present generic definition: personal palm-type devices include Microsoft's WinCE line; the PalmPilot line
10 produced by 3Com Corp.; and IBM's WorkPad. These devices are comprehensively described in the previously mentioned text, Palm III & PalmPilot. Palm-type computer 41, as shown in Fig. 1 which connected directly into the Web 50, as will be later described, contains a data processor 40,
15 operating system 45 and application programs 46 which are shown during operation in device Random Access Memory (RAM) 44. Current palm devices contain about 2 to 4 MB of RAM. Also included is a permanent programmable memory, a programmable Read Only Memory (ROM) 43 which
20 may be an EPROM or flash ROM, which are described in the text at page 38. Because these flash ROMs can now provide 4 MB of capacity, more of the application programs heretofore stored on the personal palm device's RAM may now also be stored in this ROM, in addition to
25 the device operating system and built-in applications which are, conventionally, also stored in the ROM until needed and then moved into RAM. Flash ROMs may be written into by a technique known as flashing so that future updates can be distributed as software and flashed
30 into the ROM hardware.

Personal palm devices also have a networking protocol, TCP/IP, which permits connection to the Web 50 through PDA modems, e.g. modems 54 and 52, which are

described in greater detail at pp. 148-149 of the above-described text. The palm-type computer 41 may connected into the Web 50 through standard Web wired modem connections. Reference may be made to the text,

5 Mastering the Internet, G. H. Cady et al., published by Sybex Inc., Alameda, CA, 1996, particularly pp. 136-147, for typical connections between local display stations to the Web 50 via access server 53 through connection 51. The embodiment of Fig. 1 has a host-dial connection.

10 Such host-dial connections have been in use for over 30 years through network access servers 53 which are linked 51 to the Web 50. The servers 53 may be maintained by a service provider to the personal palm-type device 41. The host's server 53 is accessed by the client device 41
15 through a normal dial-up telephone linkage 58 via modem 54, telephone line 55 and modem 52. The connection to access server 53 may also be made through wireless modems, described, for example, at pages 148 and 149 of the above-mentioned Palm III & Palm Pilot text.

20 Alternatively, the palm-type computer 32 may be connected into the Web through its corresponding or related desktop computer 31 in the case where the palm device is configured in a synchronized relationship with the desktop. In such a case, the desktop computer's Web
25 connection through modems 32 and 34 and connector 35 through Web access server 33 will provide appropriate Web access for the palm-type device under the control of the desktop computer's browser 37.

It should be noted that the term personal palm-type
30 device is used to generally cover all varieties of palm-type devices. These include cellular phones and related wireless devices, smartphones, and Internet screen phones.

Irrespective of the palm-type computer's configuration in accessing the Web directly or indirectly through the related desktop computer, the present invention provides the developers or the owners of Web HTML documents with the ability to provide condensed versions of displayable information identified by tags and accessible for only the Palm-type computers or devices. There follows an example of the code for such an HTML document.

10 HTML CODE FOR WEB DOCUMENT

```
<html>
<head>
<title>Movie Times</title>
<meta http-equiv="Content-Type" content="text/html;
15       charset=iso-8859-1">
</head>
<body bgcolor="black">
<table width="600" border="0" cellspacing="0"
      cellpadding="0">
20     <tr>
       <td colspan=2 width=600></td>
      </tr>
      <tr>
25     <td width=277 valign=top></td>
       <td width=323 bgcolor=black valign=top>
          <p><font color="white" face="Arial, Helvetica,
              sans-serif" size="2">Showing
30       at: <br>
          MY CREEK CINEMA <br>
          2224 Somestreet<br>
          </font><font color="white" face="Arial, Helvetica,
              sans-serif size="2">
35       Someplacein, TX 78746<br>
          </font><font color="white" face="Arial, Helvetica,
              sans-serif size="2">
          512-333-2222 <br>
          ADULT $7.00, CHILD $4.50, BARGAIN BEFORE 5PM & ALL
40       DAY TUESDAY $4.50, FIRST MATINEE SHOWTIME $3.50,
          ADULT FRIDAY & SATURDAY AFTER 5 PM $7.50 <br>
```



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<br>
Life as a Computer Programmer (PG13:  SOME THEMATIC
  ELEMENTS, LANGUAGE AND BRIEF SEXUALITY., 95min.)
<br>
5  Today's showtimes; <br>
   02:25PM 04:55PM 09:55PM <br>
   <br>
   May Cat Fred (R:  VIOLENCE AND TERROR AND FOR
     LANGUAGE., 98 min.) <br>
10  Today's showtimes:  <br>
   Now showing on 2 screens.  <br>
   2:45PM 03:30PM 05:15PM 07:00PM 07:45PM 9:30PM <br>
   <br>
   </font></p>
15  </td>
   </tr>
   </table>
   <PDA>
   Shows at:  MY CREEK CINEMA <br>
20  2224 Somestreet<br>
   Somplacein, TX 78746<br>
   512-333-2222 <br>
   <br>
   Life as a Computer Prgmr. (PG13) <br>
25  Showtimes:  <br>
   02:25PM 04:55PM 09:55PM <br>
   <br>
   My Cat Fred (R)<br>
   Showtimes:  <br>
30  2:45PM 03:30PM 05:15PM 07:00PM 07:45PM 9:30PM <br>
   <br>
   </PDA>
   </body>
   </html>

```

35 The example is a Web document giving user movie
information for "My Creek Cinema". The primary upper
portion of the HTML code beginning with the tag <title>
and ending with the tag </table> defines the conventional
display for the cinema as would be displayed for the Web
40 page on a desktop computer. When accessed by the user,
this would appear as the contents 12 of desktop computer
screen 11 in Fig. 2. There are graphic images as well as

detailed information regarding the movies being shown at the cinema.

On the other hand, when the same Web document is accessed by the PDA or palm-type device, only the code in the above HTML document between the tags <PDA> and </PDA> is accessed, and thus displayed as the condensed information content 22 on the display screen of the PDA 21 shown in Fig. 3. The data still relates to the cinema and the schedule of movies being shown, but is substantially condensed.

It should be noted that when the browser for a desktop computer accesses the HTML data on this page, it will ignore tags that it is not programmed to understand. Thus, the desktop browser ignores the <PDA>..</PDA> and the data therein between. Accordingly, the HTML page may be set up by their owners or developers with different displays for a plurality of different PDAs or palm-type devices, e.g. sets of tags such as <PalmIII>..</PalmIII>; <WinCE>..</WinCE>; <Nokia>..</Nokia>; or <PalmV>..</PalmV> may be used to define different sets of display data for the several different PDAs. Then the browsers associated with each of the different PDAs would be set up to access only the data defined by the tags which the respective browsers can read.

Now, with reference to the programming set up shown in Fig. 4, the process of the present invention is set up to provide the developer with a process for creating a Web document, HTML, which is conventionally displayable at receiving (desktop) display stations on the Web, step 61. The developer is further enabled to create in the Web document, a section (<PDA> to </PDA> in the above HTML page) which defines a condensed version of the desktop displayable content for display on a PDA or Palm-

type device, step 62. The developer is provided with HTML tags to define the condensed version, step 63. Then, there is provided in the Web browser programs which support the palm-type devices, routines for recognizing display requests from PDAs or palm-type devices and for providing the tagged condensed versions in response to such requests, step 64.

The present invention can operate to provide the developer or owner of the Web page with the most control over not only the original version of the document for the conventional desktop computer displays but also which information shall go into the condensed versions of the page to be accessed by the PDAs or palm-type devices. Accordingly, even if the Web access system involves the direct-dial Web browsers such as the hereinabove mentioned ProxiWeb which operates to significantly reduce the Web page size to fit the confines of the palm-type device, the program of the present invention may be set up so that the condensed versions of the present invention take precedence in determining the content of the PDA display, i.e. the condensed versions of this invention would override the reduced versions provided by the proxy servers in transcoding servers as in ProxyWeb where the browser program would otherwise detour the HTML data through a proxy server which resizes the Web page. Such proxy or transcoding servers are described on pp. 167-169 of the above cited text, Palm III & PalmPilot. In such a setup, the proxy server could first parse the transmitted Web page to determine if there were any PDA or like tags which would indicate a condensed version of the page created by the developer or owner of the page. If so, then there could be an override of the page normally provided to the PDA by the proxy server in favor

of the condensed version provided by the system of the present invention.

Now, with reference to the flowchart of Fig. 5, a simplified illustrative run of the process set up in Fig. 4 will be described. Initially, a determination is made as to whether there has been a request for a Web page, step 71. If No, the process is returned to step 71, and a Web request is awaited. If Yes, the HTML Web page is accessed from the Web, step 72. The request for the page may be by a PDA through its browser, a desktop computer through its browser or, in the case of a PDA functioning in HotSync with a desktop, then again through the desktop browser. In any event, step 73, a determination is made as to whether the request for the displayable data is from a PDA (palm device), step 73. If No, then, step 74, the full Web page version is parsed and displayed on the requesting desktop computer. If Yes, then step 75, the tagged condensed version is parsed from the Web page and sent to the Palm-type device for display. A determination is made as to end of session, step 76. If Yes, the session is exited, step 77. If No, the process is returned via branch "A" to initial step 71, and the process is continued.

It should be noted that the programs covered by the present invention may be stored outside of the present computer systems until they are required. The program instructions may be stored in another readable medium, e.g. in disk drive associated with the desktop computer or in a removable memory such as an optical disk for use in a CD ROM computer input, or in a floppy disk for use in a floppy disk drive computer input. Further, the program instructions may be stored in the memory of another computer prior to use in the system of the

present invention and transmitted over a Local Area Network (LAN) or a Wide Area Network (WAN), such as the Internet, when required by the user of the present invention. One skilled in the art should appreciate that the processes controlling the present invention are capable of being distributed in the form of computer readable media of a variety of forms.

Although certain preferred embodiments have been shown and described, it will be understood that many changes and modifications may be made therein without departing from the scope and intent of the appended claims.

1 1. A Hypertext Markup Language document transmittable to
2 computer controlled display stations from locations
3 remote from said display stations comprising:
4 a first set of natural language data conveying a
5 first version of information of a particular content
6 displayable to users at said display stations,
7 a first set of tags identifying said first set of
8 natural language data,
9 a second set of natural language data conveying a
10 second version of condensed displayable information of
11 the same particular content displayable to users of
12 personal palm-type display computers connected to said
13 remote locations, and
14 a second set of tags identifying said second set of
15 natural language data.

1 2. The Hypertext Markup Language document of Claim 1
2 wherein said natural language data comprises text data.

1 3. The Hypertext Markup Language document of Claim 1
2 wherein said natural language data comprises image data.

1 5. The system of Claim 4 wherein said Hypertext Markup
2 Language document further includes:
3 a first set of tags identifying said first set of
4 natural language data, and
5 a second set of tags identifying said second set of
6 natural language data.

1 6. The system of Claim 5 wherein said means whereby said
2 personal palm computer accesses the World Wide Web
3 comprises:

4 a browser associated with said personal palm
5 computer including:

6 means responsive said second set of tags to transmit
7 said second set of natural language data to said personal
8 palm computer.

1 7. The system of Claim 5 further including:

2 a receiving display station associated with said
3 personal palm-type display computer, and

4 means whereby said personal palm computer accesses
5 said World Wide Web through said receiving display
6 station.

1 8. The system of Claim 7 wherein said means whereby said
2 personal palm computer accesses the World Wide Web
3 comprises:

4 a browser for said associated receiving display
5 station including:

6 means responsive to said second set of tags to
7 transmit said second set of natural language data to said
8 personal palm computer.

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1 11. The method of Claim 10 further including:

2 accessing the World Wide Web through a browser
3 including the step of transmitting said second set of
4 natural language data to said personal palm computer
5 responsive to said second set of tags.

1 12. The method of Claim 9 wherein the network further
2 includes a receiving display station associated with said
3 personal palm-type display computer, and the method
4 includes:

5 the further step of accessing the World Wide Web by
6 said personal palm computer through said associated
7 receiving display station.

1 13. The method of Claim 12 wherein said step of
2 accessing the World Wide Web by said personal palm
3 computer comprises:

4 accessing the World Wide Web through a browser for
5 said associated receiving display station including the
6 step of:

7 transmitting said second set of natural language
8 data to said personal palm computer responsive to said
9 second set of tags.

1 14. A computer program having code recorded on a
2 computer readable medium for providing condensed
3 versions of displayable information to personal palm-type
4 computers connected to a World Wide Web communication
5 network comprising:
6 a Hypertext Markup Language document transmitted on
7 said World Wide Web including:
8 a first set of natural language data conveying
9 a first version of information of a particular
10 content displayable to users at said receiving
11 display stations, and
12 a second set of natural language data conveying
13 a second version of condensed displayable
14 information of the same particular content
15 displayable to users of personal palm-type display
16 computers connected to said remote locations; and
17 means associated with a personal palm-type display
18 computer with access to the World Wide Web for accessing
19 said second set of natural language data from a received
20 Hypertext Markup Language document.

1 15. The computer program of Claim 14 wherein said
2 Hypertext Markup Language document further includes:
3 a first set of tags identifying said first set of
4 natural language data, and
5 a second set of tags identifying said second set of
6 natural language data.

1. Overall sample		2. High risk		3. Low risk	
Variable	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)
Age	30.5 (10.2)	30.5 (10.2)	30.5 (10.2)	30.5 (10.2)	30.5 (10.2)
Gender	Male	Male	Male	Male	Male
Gender	Female	Female	Female	Female	Female
Marital status	Married	Married	Married	Married	Married
Marital status	Single	Single	Single	Single	Single
Education	High school	High school	High school	High school	High school
Education	College	College	College	College	College
Education	Postgraduate	Postgraduate	Postgraduate	Postgraduate	Postgraduate
Occupation	Unemployed	Unemployed	Unemployed	Unemployed	Unemployed
Occupation	Employed	Employed	Employed	Employed	Employed
Income	Low	Low	Low	Low	Low
Income	Medium	Medium	Medium	Medium	Medium
Income	High	High	High	High	High
Health status	Good	Good	Good	Good	Good
Health status	Fair	Fair	Fair	Fair	Fair
Health status	Poor	Poor	Poor	Poor	Poor
Smoking status	Smoker	Smoker	Smoker	Smoker	Smoker
Smoking status	Non-smoker	Non-smoker	Non-smoker	Non-smoker	Non-smoker
Alcohol consumption	Regular	Regular	Regular	Regular	Regular
Alcohol consumption	Occasional	Occasional	Occasional	Occasional	Occasional
Alcohol consumption	Never	Never	Never	Never	Never
Exercise frequency	Regular	Regular	Regular	Regular	Regular
Exercise frequency	Occasional	Occasional	Occasional	Occasional	Occasional
Exercise frequency	Never	Never	Never	Never	Never
Stress level	High	High	High	High	High
Stress level	Medium	Medium	Medium	Medium	Medium
Stress level	Low	Low	Low	Low	Low
Life satisfaction	High	High	High	High	High
Life satisfaction	Medium	Medium	Medium	Medium	Medium
Life satisfaction	Low	Low	Low	Low	Low

1. Overall sample		2. Non-union		3. Union			
Variable	Mean	SD	Mean	SD	Mean	SD	
Age	40.5	10.2	39.8	10.5	41.2	9.8	
Gender	Male			Male		Male	
	75%			78%		72%	
Marital status	Married			Married		Married	
	65%			68%		62%	
Education	High school			High school		High school	
	70%			72%		68%	
Income	\$15,000			\$15,000		\$15,000	
	60%			62%		58%	
Health status	Good			Good		Good	
	75%			78%		72%	
Job satisfaction	High			High		High	
	65%			68%		62%	
Turnover intention	Low			Low		Low	
	70%			72%		68%	
Organizational commitment	High			High		High	
	65%			68%		62%	
Job tenure	5 years			5 years		5 years	
	60%			62%		58%	
Work-life balance	Good			Good		Good	
	75%			78%		72%	
Perceived organizational support	High			High		High	
	65%			68%		62%	
Job stress	Low			Low		Low	
	70%			72%		68%	
Organizational citizenship behavior	High			High		High	
	65%			68%		62%	
Employee engagement	High			High		High	
	65%			68%		62%	
Job performance	High			High		High	
	65%			68%		62%	
Organizational trust	High			High		High	
	65%			68%		62%	
Job security	High			High		High	
	65%			68%		62%	
Work-life balance	Good			Good		Good	
	75%			78%		72%	
Perceived organizational support	High			High		High	
	65%			68%		62%	
Job stress	Low			Low		Low	
	70%			72%		68%	
Organizational citizenship behavior	High			High		High	
	65%			68%		62%	
Employee engagement	High			High		High	
	65%			68%		62%	
Job performance	High			High		High	
	65%			68%		62%	
Organizational trust	High			High		High	
	65%			68%		62%	
Job security	High			High		High	
	65%			68%		62%	

[illegible]

1 19. In a World Wide Web communication network with user
2 access via a plurality of data processor controlled
3 interactive receiving display stations for displaying
4 received hypertext documents containing information of a
5 particular content represented by text and images, a
6 system for condensing the displayed text/image
7 representations of said particular content to the smaller
8 dimensions of personal palm-type computer displays
9 accessing said World Wide Web network comprising:
10 a source on said World Wide Web for transmitting a
11 Hypertext Markup Language document including:
12 a first set of natural language data conveying
13 a first version of information of a particular
14 content displayable to users at said receiving
15 display stations, and
16 a second set of natural language data conveying
17 a second version of condensed displayable
18 information of the same particular content
19 displayable to users of personal palm-type display
20 computers connected to said remote locations.

1 20. The system of Claim 18 wherein said Hypertext Markup
2 Language further includes:
3 a first set of tags identifying said first set of
4 natural language data, and
5 a second set of tags identifying said second set of
6 natural language data.

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1 21. In a World Wide Web communication network with user
2 access via a plurality of data processor controlled
3 interactive receiving display stations for displaying
4 received hypertext documents containing information of a
5 particular content represented by text and images, a
6 method for condensing the displayed text/image
7 representations of said particular content to the smaller
8 dimensions of personal palm-type computer displays
9 accessing said World Wide Web comprising:

10 transmitting from a source on said World Wide Web, a
11 Hypertext Markup Language document including:

12 a first set of natural language data conveying
13 a first version of information of a particular
14 content displayable to users at said receiving
15 display stations, and

16 a second set of natural language data conveying
17 a second version of condensed displayable
18 information of the same particular content
19 displayable to users of personal palm-type display
20 computers connected to said remote locations.

1 22. The method of Claim 20 wherein said Hypertext Markup
2 Language further includes:

3 a first set of tags identifying said first set of
4 natural language data, and

5 a second set of tags identifying said second set of
6 natural language data.

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1 23. In a World Wide Web communication network with user
2 access via a plurality of data processor controlled
3 interactive receiving display stations for displaying
4 received hypertext documents containing information of a
5 particular content represented by text and images, a
6 system for condensing the displayed text/image
7 representations of said particular content to the smaller
8 dimensions of personal palm-type computer displays
9 accessing said World Wide Web network comprising:
10 A Hypertext Markup Language document on the World
11 Wide Web including:
12 a first set of natural language data conveying
13 a first version of information of a particular
14 content displayable to users at said receiving
15 display stations, and
16 a second set of natural language data conveying
17 a second version of condensed displayable
18 information of the same particular content
19 displayable to users of personal palm-type display
20 computers connected to said remote locations; and
21 a personal palm-type display computer with access to
22 the World Wide Web including:
23 means for accessing said second set of natural
24 language data from a received Hypertext Markup
25 Language document.

1 24. The system of Claim 22 wherein said Hypertext Markup
2 Language document further includes:
3 a first set of tags identifying said first set of
4 natural language data, and
5 a second set of tags identifying said second set of
6 natural language data.

1 25. The Hypertext Markup Language document of Claim 1
2 further including:
3 at least one additional set of natural language data
4 conveying an additional version of condensed displayable
5 information of the same particular content displayable to
6 users of other personal palm-type display computers
7 connected to said remote locations, and
8 at least one additional set of tags identifying said
9 at least one additional set of natural language data.

1 26. The system of Claim 5 wherein the Hypertext Markup
2 Language document further includes:
3 at least one additional set of natural language data
4 conveying an additional version of condensed displayable
5 information of the same particular content displayable to
6 users of other personal palm-type display computers
7 connected to said remote locations, and
8 at least one additional set of tags identifying said
9 at least one additional set of natural language data.

1 27. The method of Claim 10 wherein the Hypertext Markup
2 Language document further includes:
3 at least one additional set of natural language data
4 conveying an additional version of condensed displayable
5 information of the same particular content displayable to
6 users of other personal palm-type display computers
7 connected to said remote locations, and
8 at least one additional set of tags identifying said
9 at least one additional set of natural language data.

1 28. The computer program of Claim 15 wherein the
2 Hypertext Markup Language document further includes:
3 at least one additional set of natural language data
4 conveying an additional version of condensed displayable
5 information of the same particular content displayable to
6 users of other personal palm-type display computers
7 connected to said remote locations, and
8 at least one additional set of tags identifying said
9 at least one additional set of natural language data.

1 29. The Hypertext Markup Language document of Claim 1
2 wherein said first set of natural language data includes
3 a portion of said second set of natural language data.

1 30. The system of Claim 5 wherein said first set of
2 natural language data includes a portion of said second
3 set of natural language data.

1 31. The method of Claim 10 wherein said first set of
2 natural language data includes a portion of said second
3 set of natural language data.

1 32. The computer program of Claim 14 wherein said first
2 set of natural language data includes a portion of said
3 second set of natural language data.

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1 33. The system of Claim 6 further including:
2 a proxy server associated with said browser for
3 transmitting proxy condensed versions of Web HTML
4 documents to personal palm-type computers, and
5 means for overriding said proxy servers to thereby
6 permit the accessing by said palm-type computers of said
7 second set of natural language data conveying said second
8 version of condensed displayable data.

1 34. The method of Claim 11 including the further steps
2 of:
3 normally providing a condensed version of Web HTML
4 documents to personal palm-type computers, and
5 overriding said proxy servers to thereby permit the
6 accessing by said palm-type computers of said second set
7 of natural language data conveying said second version of
8 condensed displayable data.

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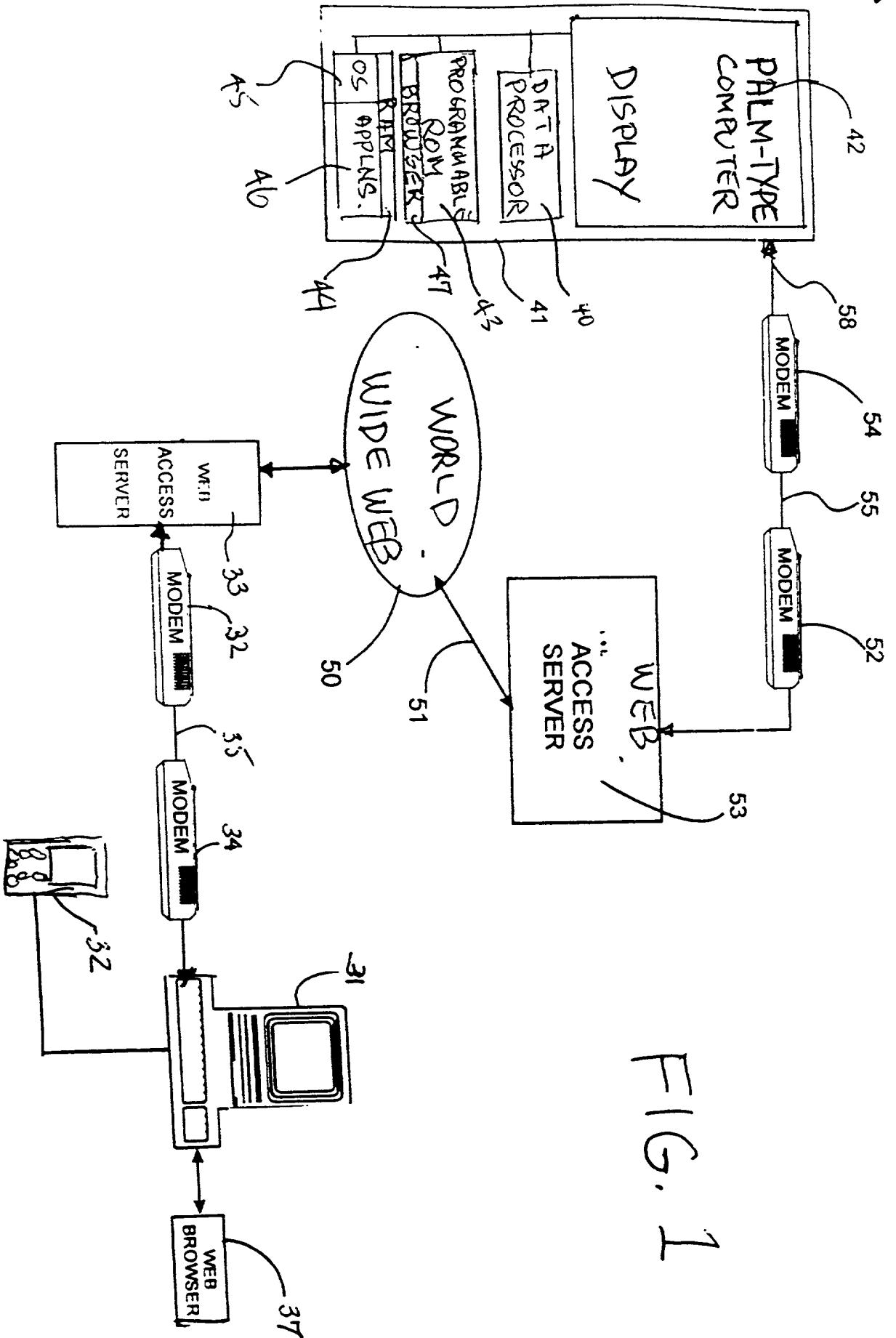


FIG. 1

09589616 . 060800


Movie Times - Microsoft Internet Explorer

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Address <http://www.somemoviesite.com>

Movie Times



XYZ
THE EPIC SAGA
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Showing at
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2224 Somestreet
Someplace, TX 78745
512.333.2222
ADULT \$7.00, CHILD \$4.50, BARGAIN BEFORE 5 PM & ALL DAY TUESDAY \$4.50, FIRST MATINEE SHOWTIME \$3.50, ADULT FRIDAY & SATURDAY AFTER 5 PM \$7.50

Life as a Computer Programmer (PG-13: SOME THEMATIC ELEMENTS, LANGUAGE AND BRIEF SEXUALITY, 95 min.)
Today's showtimes
02:25PM 04:55PM 09:55PM

My Cat Fred (R: VIOLENCE AND TERROR AND FOR LANGUAGE, 39 min.)
Today's showtimes
Now showing on 2 screens
2:45PM 03:30PM 05:15PM 07:00PM 07:45PM 9:30PM

XYZ The Epic Saga (PG: SOME VIOLENT CONTENT AND MILD LANGUAGE, 105 min.)
Today's showtimes
2:40PM 05:10PM 07:40PM 10:10PM

FIG. 2

000000" 99969560

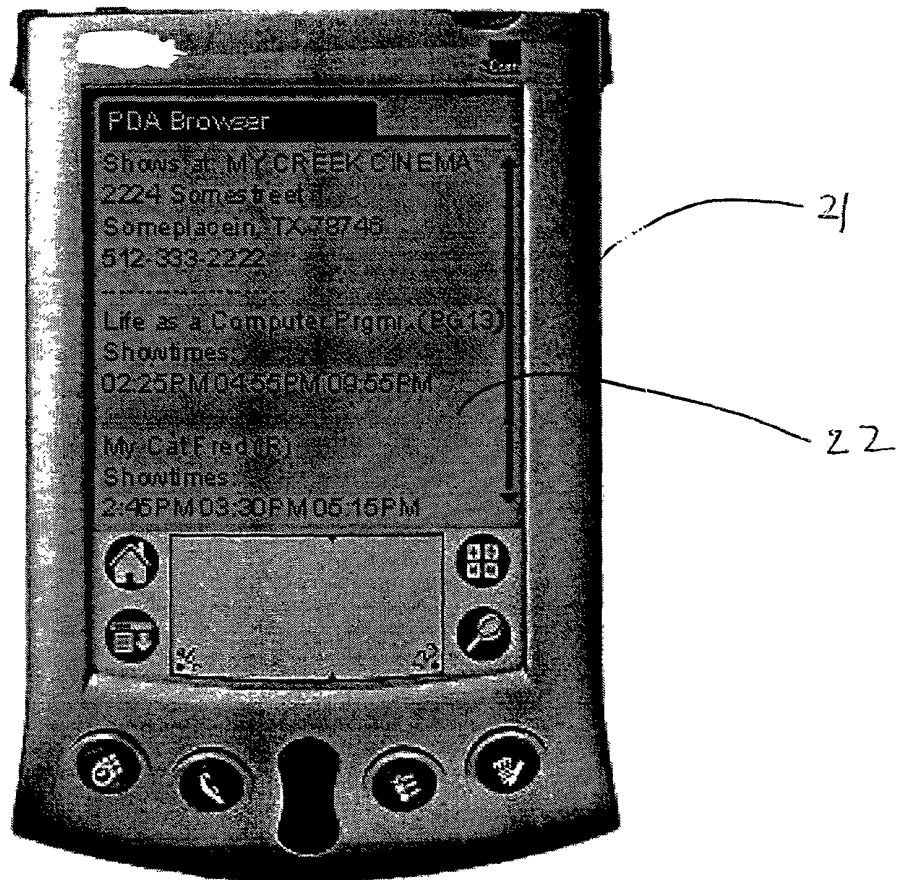


FIG. 3





DECLARATION AND POWER OF ATTORNEY FOR
PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

DISTRIBUTING CONDENSED VERSIONS OF DISPLAYABLE INFORMATION IN HYPERTEXT MARKUP LANGUAGE DOCUMENTS TRANSMITTED ON THE WORLD WIDE WEB TO PERSONAL PALM-TYPE DISPLAY COMPUTERS

the specification of which (check one)

X is attached hereto.

___ was filed on _____
as Application Serial No. _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

____ Yes ____ No
(Number) (Country) (Day/Month/Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal

Regulations, \$1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial #)	(Filing Date)	(Status)
------------------------	---------------	----------

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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